

**CITY OF MIAMI BEACH
COMMISSION ITEM SUMMARY**



Condensed Title:

A Resolution Accepting the City Manager's Recommendation Relative to the Ranking of Firms and Authorizing Negotiations Pursuant to RFQ No. 37-03/04 for PHASE I – Master Plan/Basis of Design Report (BODR) and Phase II Design Services for a Proposed Sixteenth Street Operational Improvements and Enhancement Project.

Issue:

Shall the City Commission accept the City Manager's recommendation relative to the ranking of firms and authorize negotiations?

Item Summary/Recommendation:

On June 9, 2004, the City Commission authorized the issuance of an RFQ to solicit qualifications of professional firms with the capability and experience to provide planning and engineering firms to perform Phase I-BODR and Phase II-design services for a proposed 16th Street Operational Improvements/Enhancements project, also known as Project #33 of the Miami Beach Municipal Mobility Plan (MMP) Project Bank.

In 1998, 16th Street was opened from Washington Avenue to Collins Avenue, as part of a public-private economic development initiative to bring the Loew's Hotel to Miami Beach. The street opening provided an additional and valuable east-west through corridor in South Beach and increased traffic significantly, but the physical condition of the corridor created problems with the north-south pedestrian traffic moving between the residential Flamingo Neighborhood to the commercial and City Center areas of Lincoln Road and 17th Street. This increase in traffic and the change in use of the corridor created by the 1998 street opening resulted in a reclassification of the 16th Street corridor by the State/Federal DOT from a local road to an urban collector road in the 2004 Federal Roadway Classification map. This reclassification qualified 16th Street for Federal Funding.

RFQ No. 37-03/04 was issued on August 18, 2004 with an opening date of October 8, 2004. The City received responses from eight firms:

The City Manager via Letter to Commission (LTC) No. 270-2004, appointed an Evaluation. The Committee members arrived at the following ranking order for each firm:

- First: McMahon and Associates
- Second: ConsulTech Transportation, Inc.
- Third: Chen and Associates

ACCEPT THE MANAGER'S RECOMMENDATION AND AUTHORIZE NEGOTIATIONS

Advisory Board Recommendation:

Financial Information:

| Source of Funds: | Amount | Account | Approved |
|------------------|--------|---------|----------|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| Total | | | |

Finance Dept.

City Clerk's Office Legislative Tracking:

Gus Lopez

Sign-Offs:

| Department Director | Assistant City Manager | For City Manager |
|---------------------|------------------------|------------------|
| GL _____ FB _____ | RCM _____ | JMG |

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AGENDA ITEM C70
DATE 1-12-05

CITY OF MIAMI BEACH

CITY HALL 1700 CONVENTION CENTER DRIVE MIAMI BEACH, FLORIDA 33139
www.miamibeachfl.gov



COMMISSION MEMORANDUM

To: Mayor David Dermer and
Members of the City Commission

Date: January 12, 2005

From: Jorge M. Gonzalez
City Manager

Subject: A RESOLUTION OF THE MAYOR AND CITY COMMISSION OF THE CITY OF MIAMI BEACH, FLORIDA, ACCEPTING THE RECOMMENDATION OF THE CITY MANAGER PERTAINING TO THE RANKING OF QUALIFICATIONS RECEIVED PURSUANT TO REQUEST FOR QUALIFICATIONS (RFQ) NO. 37-03/04, FOR PHASE I – MASTER PLAN/BASIS OF DESIGN REPORT (BODR) AND PHASE II DESIGN SERVICES FOR A PROPOSED SIXTEENTH STREET OPERATIONAL IMPROVEMENTS AND ENHANCEMENT PROJECT; AUTHORIZING THE ADMINISTRATION TO ENTER INTO NEGOTIATIONS WITH THE TOP-RANKED FIRM OF MCMAHON AND ASSOCIATES, INC.; AND SHOULD THE ADMINISTRATION NOT BE ABLE TO NEGOTIATE AN AGREEMENT WITH THE TOP-RANKED FIRM, AUTHORIZING THE ADMINISTRATION TO NEGOTIATE WITH THE SECOND-RANKED FIRM OF CONSULTECH TRANSPORTATION, INC.; AND SHOULD THE ADMINISTRATION NOT BE ABLE TO NEGOTIATE AN AGREEMENT WITH THE SECOND-RANKED FIRM, FURTHER AUTHORIZING THE ADMINISTRATION TO NEGOTIATE WITH THE THIRD-RANKED FIRM OF CHEN AND ASSOCIATES, INC.

ADMINISTRATIVE RECOMMENDATION

Adopt the Resolution.

ANALYSIS

The 16th Street Corridor, from Washington Avenue to SR 907/Alton Road and extending to Biscayne Bay, has not been resurfaced or improved for over 20 years. Consequently, the roadway, sidewalks, curbs and gutters are in poor condition, making the entire right-of-way unsuited and unsafe to handle the ever growing pedestrian and vehicular demands on the corridor. In addition, drainage improvements are required at certain spots that tend to flood under persistent and/or heavy rain conditions, with street flooding spilling into private properties.

In 1998, this originally local street was opened from Washington Avenue to Collins Avenue, as part of a public-private economic development initiative to bring the Loew's Hotel to Miami Beach.

The street opening provided an additional and valuable east-west through corridor in South Beach and increased traffic significantly, but the physical condition of the corridor created problems with the north-south pedestrian traffic moving between the residential Flamingo Neighborhood to the commercial and City Center areas of Lincoln Road and 17th Street. This increase in traffic, pedestrian and vehicular safety issues, and the change in use of the corridor created by the 1998 street opening, resulted in the 16th Street corridor being reclassified by the State/Federal DOT from a local road to an urban collector road in the 2004 Federal Roadway Classification map. This reclassification qualified 16th Street for Federal Funding.

Both the Miami Beach Comprehensive Plan and the Municipal Mobility Plan (MMP) include the 16th Street Operational Improvements/Enhancements Project as MMP Project #33. The Project is also an essential element of the South Beach Transportation Concurrency Management Area (SoBe TCMA) Plan.

The 16th Street Corridor Master Plan, Phase I, will conduct the necessary surveys, tests, data collection, pedestrian and traffic counts, road characteristics inventory (RCI), and analysis needed to prepare recommendations, conceptual design, preliminary cost estimates and timelines for the improvements and enhancements being proposed for the corridor, among them:

- Operational and safety improvements to the corridor, intersections and signalization and new street signs.
- Drainage, reconstruction or milling, resurfacing and striping of roadway, plus sidewalk, curb/gutter and new street lighting system improvements. Sixteenth Street was last resurfaced over 20 years ago.
- Feasibility of including a bicycle lane as the neighborhood's east-west connector to the Atlantic Greenway Trail (coastal bikeway system).
- Corridor enhancements such as traffic calming, bulb-outs, pedestrian crosswalks, shade streetscaping.

Phase II of the 16th Street Corridor Master Plan will be the design services which will be negotiated following the completion of Phase I.

In developing the Master Plan the following must be considered:

Livable Communities: The Master Plan will take into consideration the mixed-use character of the area and apply "livable community" principles to the Master Plan's preliminary design concepts to ensure that the neighborhood residents and area patrons (pedestrian, bicyclists, park & riders, etc.) will be safer and feel safer as they traverse 16th Street on their way to/from home, places of employment, shopping, entertainment, and sports/leisure activities.

Mobility: The Master Plan will also take into consideration the need for mobility through the corridor due to the arterial function of connecting the hotel area of SR A1A/Collins Avenue with SR 907/Alton Road, and the Flamingo Neighborhood to Lincoln Road and the City's Civic/Convention Center area.

The Master Plan recommendations will be based on results of a comprehensive study/analysis of the impacts to the road and adjacent areas, due to the corridor opening to Collins Avenue, back in 1998.

The Master Plan will also include a cost estimate, a preliminary project schedule, and an executive summary.

RFQ PROCESS

On June 9, 2004, the City Commission authorized the issuance of an RFQ to solicit the qualifications from professional firms with the capability and experience to provide planning and engineering firms to perform Phase I-BODR or planning and development and Phase II which will be the design process for a 16th Street Operational Improvements/Enhancements project, also known as Project #33 of the Miami Beach Municipal Mobility Plan (MMP) Project Bank

Funding for the project is from two grant sources in the total amount of \$175,000. Resolution No. 2002-24907, dated June 19, 2002, authorized the City to submit a \$75,000 grant application to the Metropolitan Planning Organization's Municipal Grant Program for the preparation of a master plan/basis of design report for a proposed 16th Street Operational Improvements/Enhancement Project. The grant award was in the amount of \$45,000 in MPO funds, matched by \$30,000 in Concurrency Mitigation Program/South Beach funds.

Resolution No. 2001-24587, dated September 20, 2001 authorized the City to submit a grant application to the State's Transportation Outreach Program (TOP) for the preparation of design plans for a proposed 16th Street Operational Improvements/Enhancement Project, also known as Project #33 of the Miami Beach Municipal Mobility Plan. The total grant was \$100,000 with \$80,000 from State TOP funds matched by \$20,000 in Concurrency Mitigation/South Beach funds.

RFQ No. 37-03/04 was issued on August 18, 2004 with an opening date of October 8, 2004. A pre-proposal conference to provide information to firms considering submitting a response was held on September 13, 2004. BidNet issued bid notices to 98 prospective proposers, resulting in 42 proposers requesting RFQ packages, which resulted in the receipt of the following eight (8) proposals from:

- Beiswenger, Hoch and Associates, Inc.;
- Bermello, Ajamil and Partners;

- Chen and Associates;
- ConsulTech Transportation, Inc.;
- EAC Consulting, Inc.;
- McMahon Associates, Inc.;
- R. J. Behar & Company, Inc.; and
- URS.

The City Manager via Letter to Commission (LTC) No. 270-2004, appointed an Evaluation Committee ("the Committee") consisting of the following individuals:

- Solomon Genet, Resident (Committee Chair)
- Marilyn Kramer, Resident
- Inez Flax, Resident
- Roberto Datorre, MBCDC President and Resident
- Michael Alvarez, Assistant Director, Public Works Department
- Diana Trettin, Senior Capital Projects Coordinator, CIP Office
- Steve Foren, Senior Planner, Planning Department

On November 4, 2004, the Committee convened. The Committee was provided information in reference to the project by Committee member Michael Alvarez, Assistant Director, Public Works Department, and a representative from the Procurement staff. Additionally, the Committee reviewed references secured by the Procurement staff, and discussed the following RFQ evaluation criteria and weighted score, which was used to evaluate and rank the respondents:

- The ability of professional personnel; (25 Points)
- Whether a firm is a certified minority business enterprise; (10 Points)
- Past performance; (20 Points)
- Willingness to meet time and budget requirements; (10 Points)
- Location; (5 Points)
- Recent, current, and projected workloads of the firms; and (10 Points)
- The volume of work previously awarded to each firm by the agency, with the object of effecting an equitable distribution of contracts among qualified firms, provided such distribution does not violate the principle of selection of the most highly qualified firms. (20 Points)

The Committee's consensus at the end of the meeting was to invite five (5) firms to provide a 15-minute presentation, followed by a 15-minute question and answer session. The five firms that were shortlisted were: McMahon Associates, Chen and Associates, Beiswenger, Hoch and Associates, Consul Tech Transportation, and URS.

Procurement staff coordinated and scheduled presentations for December 2, 2004. The Committee members convened on December 2, 2004, and were provided presentations by all five (5) short listed firms. One Committee member, Inez Flax, was unable to attend the

meeting and consequently unable to rank the firms, but nevertheless a quorum was present to proceed with the meeting.

After the firms' presentations, the Committee members ranked the firms accordingly:

| Company Name | Solomon Genet | Marilyn Kramer | Roberto Datorre | Michael Alvarez | Diana Trettin | Steve Foren |
|--|---------------|----------------|-----------------|-----------------|---------------|-------------|
| Beiswenger, Hoch & Associates, Inc. (5) | 86 (4) | 74 (4) | 81 (3) | 63 (5) | 76 (2) | 85 (3) |
| Chen and Associates, Inc. (3) | 89 (3) | 78 (3) | 90 (2) | 83 (2) | 75 (3) | 88 (2) |
| Consul Tech Transportation, Inc. (2) | 90 (2) | 80 (2) | 92 (1) | 90 (1) | 76 (2) | 83 (4) |
| McMahon Associates, Inc. (1) | 90 (2) | 82 (1) | 81 (3) | 71 (3) | 82 (1) | 91 (1) |
| URS (4) | 95 (1) | 72 (5) | 81 (3) | 70 (4) | 82 (1) | 82 (5) |

As per Section 287.055, Florida Statutes, known as the Consultants' Competitive Negotiation Act, the Committee ranked no less than 3 firms.

LEGEND:

McMahon Associates, Inc.

3-1st place votes = 3x1=3
 1-2nd place vote = 1x2=2
 2-3rd place votes = 2x3=6
 TOTAL = 11 = Ranked 1st

ConsulTech Transportation, Inc.

2-1st place votes = 1x2=2
 3-2nd place vote = 3x2=6
 1-4th place vote = 1x4=4
 TOTAL = 12=Ranked 2nd

Chen and Associates, Inc.

3-2nd place votes = 3x2=6
 3-3rd place vote = 3x3=9
 TOTAL = 15=Ranked 3rd

The firm of McMahon Associates, Inc. was deemed to be the first ranked firm based on the experience and qualifications of their team. McMahon Associates possess a vast experience in the planning, design, permitting and construction administration of infrastructure redevelopment projects in South Florida. McMahon's experience includes projects completed within the last two years for City of Fort Lauderdale, City of Deerfield Beach, City of Lauderhill, City of Fort Myers and many other entities. All these projects have been successfully completed with aggressive timeframes, multiple funding sources

and complex existing infrastructure.

McMahon's team is comprised of three highly specialized, local and nationally recognized firms: 1) Burns and McDonnell; 2) Edward D. Stone and Associates (EDSA); 3) Advance Consulting Engineering Services, Inc. (ACES); and 4) Craig A. Smith & Associates. These firms have been selected to provide their expertise on specific items that have been identified by the City of Miami Beach and/or existing site conditions. Burns and McDonnell will provide signing and pavement marking plans, traffic control plan design and lighting design services. The Edward D. Stone and Associates (EDSA) have been added to this team for their expertise in land planning, Landscape Architecture and Architecture services. Advance Consulting Engineering Services, Inc. will provide geotechnical services that may be needed as part of this project. Craig A. Smith & Associates will add their expertise in surveying and utility location services.

McMahon Associates, Inc will offer the following to the City of Miami Beach:

- 28 years of professional experience in South Florida
- Assigned experienced staff who are able to meet the project demands and schedules within the required budget
- All team members have worked together before on successful project completions
- Past and present high profile project experience gathered through the continuous projects performed throughout South Florida
- Assist the City, as required, with public involvement events to build consensus and support for the project
- Develop realistic project schedule that meets the City's needs and includes sufficient time for reviews and our in-house quality control procedures

RELATED EXPERIENCE PROJECT MANAGER

Gerard A. Osborne, PE

Mr. Orborn's experience spans all facets of transportation engineering and development planning. He has over 20 years of experience in traffic engineering and master planning, having worked extensively in South Florida, the Caribbean, and the Pacific in both public and private capacities. He has a profound understanding of the unique transportation characteristics and needs of coastal and barrier-island communities, having most recently worked on master planning and traffic calming projects for the cities of Deerfield Beach and Fort Myers. His professional experience includes:

- Over 20 years experience in traffic engineering and master planning
- National and Municipal/Agency Infrastructure design experience:
 - SR-80/Palm Beach Blvd., City of Fort Myers, Florida
 - District Traffic Operations Studies Contract, FDOT District 6

- Broward Regional Park, City of Lauderdale
- Deerfield Beach CRA Master Plan Study, City of Deerfield, Florida
- SR-826 Improvement Program, FDOT Department of Transportation District 6

The following references were secured by the Procurement staff for McMahon Associates, Inc., they are follows:

Mr. Carlos P. Baia, Economic Development Manager
Deerfield Beach CRA Beach Area Study
City of Deerfield Beach, Florida

"McMahon is one of the best consulting firms the city has ever used. They are responsive, stay on budget and provide quality work."

Mr. Earl R. Hahn, AICP, Planning and Zoning Director
Broward Regional Park
City of Lauderdale, Florida

"McMahon provides a high quality product for reasonable price, is able to juggle various high priority City transportation studies, timely appears at meetings and hearings, and is thoroughly prepared. I would highly recommend the firm."

Mr. Robert Bostian, PE, Project Manager
SR-60 at 27th Avenue Intersection Improvements
FDOT, District 6

"McMahon performed well and responsive in regard to the SR-60 at 27th Avenue Intersection Improvements. "

Attached is an executive summary of McMahon's experience, qualifications, and similar projects.

CONCLUSION

The City Manager concurs with the Evaluation Committee's recommendation and recommends that the Mayor and City Commission approve their ranking of firms, and subsequently authorize the Administration to enter into negotiations with the top-ranked firm of McMahon and Associates, Inc.; and should the Administration not be able to negotiate an agreement with the top ranked firm, authorizing the Administration to negotiate with second-ranked firm of ConsulTech Transportation, Inc.; and should the Administration not be able to negotiate an agreement with the second-ranked firm, further authorizing the Administration to negotiate with the third-ranked firm of Chen and Associates, Inc.

RESOLUTION NO. 2005-25784

A RESOLUTION OF THE MAYOR AND CITY COMMISSION OF THE CITY OF MIAMI BEACH, FLORIDA, ACCEPTING THE RECOMMENDATION OF THE CITY MANAGER PERTAINING TO THE RANKING OF QUALIFICATIONS RECEIVED PURSUANT TO REQUEST FOR QUALIFICATIONS (RFQ) NO. 37-03/04 FOR PHASE I – MASTER PLAN/BASIS OF DESIGN REPORT (BODR) AND PHASE II DESIGN SERVICES FOR A PROPOSED SIXTEENTH STREET OPERATIONAL IMPROVEMENTS AND ENHANCEMENT PROJECT; AUTHORIZING THE ADMINISTRATION TO ENTER INTO NEGOTIATIONS WITH THE TOP-RANKED FIRM OF MCMAHON AND ASSOCIATES, INC.; SHOULD THE ADMINISTRATION NOT BE ABLE TO NEGOTIATE AN AGREEMENT WITH THE TOP-RANKED FIRM, AUTHORIZING THE ADMINISTRATION TO NEGOTIATE WITH THE SECOND-RANKED FIRM CONSULTECH TRANSPORTATION, INC.; AND SHOULD THE ADMINISTRATION NOT BE ABLE TO NEGOTIATE AN AGREEMENT WITH THE SECOND-RANKED FIRM, AUTHORIZING THE ADMINISTRATION TO NEGOTIATE WITH THE THIRD-RANKED FIRM OF CHEN AND ASSOCIATES, INC.

WHEREAS, on June 9, 2004 the City Commission authorized the issuance of RFQ No. 37-03/04 to solicit qualifications from professional firms with the capability and experience to provide planning and engineering services, to perform Phase I-BODR and Phase II-Design Services for a 16th Street Operational Improvements/Enhancements Project (the RFQ); and

WHEREAS, Resolution No. 2004-25590, dated June 9, 2004, authorized the following funds to be appropriated for the BODR and design of the 16th Street Operational Corridor: \$100,000 advancement by the City, to be reimbursed by Florida Department of Transportation (FDOT); \$45,000 advancement by the City, to be reimbursed by the Miami-Dade Metropolitan Planning Organization (MPO); and \$120,000 from Concurrency Mitigation/SoBe Funds; and

WHEREAS, the RFQ was issued on August 18, 2004 with an opening date of October 8, 2004; and

WHEREAS, eight (8) proposals were received in response to the RFQ, by the following firms:

- Beiswenger, Hoch and Associates, Inc.;
- Bermello, Ajamil and Partners;
- Chen and Associates;
- ConsulTech Transportation, Inc.;
- EAC Consulting, Inc.;
- McMahon Associates, Inc.;
- R. J. Behar & Company, Inc.;
- URS; and

WHEREAS, an Evaluation Committee was appointed by the City Manager via Letter to Commission (LTC) No. 270-2004 consisting of the following individuals:

- Solomon Genet, Resident (Committee Chair);
- Marilyn Kramer, Resident;
- Inez Flax, Resident;
- Roberto Datorre, MBCDC President and Resident;
- Michael Alvarez, Assistant Director, Public Works Department;
- Diana Trettin, Senior Capital Projects Coordinator, CIP Office;
- Steve Foren, Senior Planner, Planning Department; and

WHEREAS, on November 4, 2004, the Committee convened and discussed the qualifications and credentials of all eight firms, and the consensus at the end of the meeting was to shortlist five respondents to provide a 15 minute presentation, followed by a 15 minute question and answer session; and

WHEREAS, the Committee reconvened on December 2, 2004; upon completion of presentations by shortlisted firms the Committee members ranked the top three firms accordingly:

- First: McMahon Associates, Inc.;
- Second: ConsulTech Transportation, Inc.;
- Third: Chen and Associates, Inc.; and

WHEREAS, the City Manager has reviewed the Evaluation Committee's recommendation, and herein recommends that the Mayor and City Commission accept the Committee's recommendation, relative to the ranking of firms pursuant to RFQ No. 37-03/04 for Phase I – Master Plan/Basis of Design Report (BODR) and Phase II Design Services for a Proposed Sixteenth Street Operational Improvements and Enhancement Project, and enter into negotiations with the first-ranked firm of McMahon Associates, Inc.; if unsuccessful, negotiate with the second-ranked firm of ConsulTech Transportation, Inc.; and if unsuccessful, negotiate with the third-ranked firm of Chen and Associates, Inc.

NOW, THEREFORE, BE IT DULY RESOLVED BY THE MAYOR AND THE CITY COMMISSION OF THE CITY OF MIAMI BEACH, FLORIDA, that the Mayor and City Commission accept the recommendation of the City Manager pertaining to the ranking of firms pursuant to RFQ No. 37-03/04; further authorize the Administration to enter into negotiations with the top-ranked firm of McMahon Associates, Inc.; should the Administration not be able to negotiate an Agreement with the top-ranked firm, authorize the Administration to negotiate with the second-ranked firm of ConsulTech Transportation, Inc.; and, should the Administration not be able to negotiate an Agreement with the second-ranked firm, authorize the Administration to negotiate with the third-ranked firm of Chen and Associates, Inc.

PASSED and ADOPTED this ____ day of _____, 2005.

ATTEST:

CITY CLERK

MAYOR

**APPROVED AS TO
FORM & LANGUAGE
& FOR EXECUTION**

October 7, 2004

City of Miami Beach
City Hall – Procurement Division
1700 Convention Center Drive, Third Floor
Miami Beach, FL 33139

RE: Request for Qualifications RFQ No. 37-03/04
Phase I – Master Plan/Basis of Design Report (BODR) &
Phase II – Design Services for a Proposed 16th Street Operational Improvements &
Enhancement Project
McM Project No. N04612.0P

Dear Sirs:

McMahon Associates, Inc. (McM) is pleased to submit one original and 10 copies of our qualifications and performance data in response to the request from the City of Miami Beach to provide Professional Transportation Engineering and Design Services for the above-referenced project. We have evaluated the requirements that were included in the RFQ No. 37-03/04, and have field reviewed the corridor.

Team Organization

We have assembled a highly qualified team of professionals, which meets the needs of this Request for Qualifications. Our team is comprised of local engineering firms, geotechnical, surveying, land planning/landscape architectural firms that have the skill, knowledge, and demonstrated past performance qualities of working with the City of Miami Beach. Another important aspect of our team is that the key personnel have all worked together before and are familiar with each other's work strategies. This will ensure a seamless coordination effort between the team and the City and will enable us to "hit the ground running" on this important project.

- **McMahon Associates, Inc.** – Prime Consultant, Fort Lauderdale and soon, Miami
Overall project coordination and development of horizontal/vertical geometry, roadway construction plans, signal design and construction management services.
- **Burns & McDonnell** – Subconsultant, Coral Gables
Signing and Pavement Marking Plans, Traffic Control Plan Design Services, and Lighting Design
- **Advance Consulting Engineering Services, Inc. (ACES)** – Subconsultant, Miami
Geotechnical Services
- **Craig A. Smith & Associates** – Subconsultant, Pompano Beach
Surveying and Utility Location Services

- **Edward D. Stone and Associates (EDSA)** – Subconsultant, Fort Lauderdale
Land Planning, Landscape Architecture and Architectural Services

We have worked with other consultant firms who have, and in some cases, are providing services to the City. We are friends with them and appreciate the contributions they have made to the modernization and beautification of Miami Beach. However, we believe strongly that the City will benefit from the McM Team's "fresh" look at the 16th Street Corridor. In particular, we are pleased to have EDSA on our team. Their world famous streetscape design concepts are uniquely tailored to each client's needs. Working with them as often as we do, on urban streetscapes, it still remains a thrill to see their creative, aesthetically pleasing concepts for inviting, pedestrian-friendly boulevards.

Burns and McDonnell is, of course, currently engaged in the Flamingo neighborhood infrastructure improvement project. Their wealth of local knowledge is an invaluable contribution to the team—offering us a knowledge base that is well ahead of the pack.

Craig A. Smith & Associates is well known to the City engineering staff. Their ground penetrating radar/radar tomography and survey crews have already completed projects within the City of Miami Beach, including Alton Road, where their unique non-intrusive radar tomography capabilities were invaluable aids in locating underground utilities.

ACES is a local DBE firm with offices in both Fort Lauderdale and Miami. They have provided geotechnical engineering services throughout South Florida and, more particularly, in the City of Miami Beach. They have always provided excellent service to their teammates, and we feel fortunate to have them join with us again for this project.

McM is also a local firm with over 28 years of experience in South Florida. Initially known primarily for our traffic engineering and transportation planning expertise, we have added highway design and construction management services. Over the last eight years, our design section in Florida has been so successful that it now rivals our transportation planning practice in the numbers of projects and clients served. As prime, we will be responsible for supervising all aspects of the project, with a particular emphasis in Phase I on transportation planning. In Phase II, we will have a primary focus on drainage, pavement design, roadway geometry and traffic signal plans.

Responsible Office

Because of our success in obtaining work with various municipalities within Miami-Dade County and our ongoing project work with District Six of the Florida Department of Transportation, we are establishing a local office in the Lennar Executive Center, which is due west of the City of Miami Beach, on SR-836 at 107th Avenue. We expect to occupy the new office on December 1, 2004. Until that time, we have established a project specific office sharing arrangement with Burns and McDonnell in their Coral Gables office. The simple fact is, we and our team members are committed to providing a local presence and have the knowledge and experience to execute this project in a timely and economical fashion.

Project Management

Our approach to this project will follow a few basic tenets to ensure the successful completion of the contract. Specifically, the McM Team will do the following:

- Provide proactive project management which will keep participation of the City staff to a minimum, unless staff chooses to become more involved;
- Provide a thorough review of the project with the City to develop a comprehensive scope of work;
- Develop a realistic project schedule that meets the City's needs and includes sufficient time for reviews and our in-house quality control procedures;
- Assign experienced staff who are able to meet the project demands and schedules within the required budget; and
- Assist the City, as required, with public involvement events to build consensus and support for the project.

To further simplify our approach to the project, and to foster a trusting working relationship with the City, all communication with the McM Team will be through a single point of contact. For Phase One, Master Plan Service/Basis of Design Report, Gerard A. Osborne, P.E., P.T.O.E. will be our Project Coordinator/Project Manager and, as such, will be responsible for all coordination between the City and the McM Team. Gerard has successfully managed other planning and traffic engineering projects and has a keen grasp of the technical and human factors that must be accommodated in a successful master plan. For Phase Two, Design Services, Patricia M. Barr, P.E. will be our Project Coordinator/Project Manager, and will be responsible for all coordination between the City and the McM Team. Tricia has successfully completed a number of urban corridor redevelopment projects in South Florida. She understands the problems that so often affect project schedules such as utility conflicts and aerial map inaccuracies. Given the extensive experience of these two professionals, it is our belief that their combined talents, training and experience will be well suited to managing the two primary phases of this project. With literally hundreds of other professionals in the South Florida offices of McM and our teammates, Gerard and Tricia will never lack for assistance in completing the tasks associated with this project.

Public Involvement

Projects such as the 16th Street Master Plan are important to the surrounding community. A well-planned and constructed project will enhance the urban landscape and improve resident's daily life. For this reason, it is critical that the public be involved in the planning process. Our team is accustomed to working with local stakeholders to ensure public "buy in" on the project plans. In addition to the meetings called for in the scope, we will be available to meet with area residents and business owners on an individual basis as needed. We can also provide a project page on your website that provides frequent updates to your residents on the status of the project and may even address frequently asked questions.

Cost Effective Approach

Because funding is always an issue, we will assist the City in their efforts to obtain funds for the construction project. However, perhaps the best thing we can do for the City is to provide a cost-effective approach to the planning and design process—resulting in a better product with a more manageable construction budget.

Schedule

The schedule proposed by City staff is well thought out and slightly aggressive. We like it! We will perform the required project tasks within your schedule.

We are pleased to submit these qualifications to the City of Miami Beach for the programmed improvements. The bottom line is, we have the best team and we want to work for you, the City of Miami Beach. You have our commitment to deliver professional and personalized service on time and with quality, while being sensitive to the budgetary nature of the contract.

Very truly yours,



Thomas A. Hall, Senior Project Manager
Office Manager

TAH/hsv
Enclosures

cc: Janine Cocker, Marketing Coordinator



REQUEST FOR QUALIFICATIONS

**Phase I – Master Plan/Basis of Design Report (BODR) and
Phase II Design Services for a Proposed Sixteenth Street
Operations Improvements and Enhancement Project**

For

City of Miami Beach

**Section
Team Experience**

MCM **MCMAHON ASSOCIATES, INC.**
TRANSPORTATION ENGINEERS & PLANNERS
**RESPONSIVE
TRANSPORTATION
SOLUTIONS**

SECTION 1 – TEAM EXPERIENCE



McMahon Associates, Inc. (McM) has been providing transportation and design services since its formation in 1976. The firm began as a small business enterprise dedicated to high

quality and personalized client service. To better serve our clients the firm has grown in the last several years, both by size and geographic location. The firm maintains permanent offices in Palm Beach Gardens, Fort Lauderdale and Cape Coral, Florida; Philadelphia, Exton and Harrisburg, Pennsylvania; and Boston, Massachusetts. In addition we anticipate having another office in Miami, Florida by the end of the year. Our practice has experienced an expansion in services, which now range from traffic studies, transportation statistics including roadway characteristics inventory (RCI) minor highway and signal design, to ITS, post design construction services, and public transportation. As a result of our recent development in the industry, we have ventured into structural and site engineering, topographic and land survey, GIS, and construction inspection. Through our rapid, yet successful development, we have remained dedicated to high quality, personalized client service.

Our diversified staff of transportation professionals have expertise in civil engineering services related to city-wide transportation planning and modeling services, traffic calming measures, traffic impact and operations studies, maintenance of traffic plans, conceptual design, and final design of traffic signals and roadways. We have provided these services to Florida clients for over 28 years. McM also offers master transportation planning, data collection programs, transportation surveys, environmental impact assessments, and public involvement programs. These specialized services have led to updates of comprehensive transportation plans, including capital improvement plans for City/County governments.

McM's mission continues to be our commitment to a caring work environment, which delivers responsive, and effective transportation solutions. McM takes pride in its use of state-of-the-art technology and the soundness and integrity of its practice. Functioning as an extension of our clients' staff for all of our projects, we extend these same values to the City of Miami Beach.



Responsible Office

Because of our success in obtaining work with various municipalities within Miami-Dade County and our ongoing project work with District Six of the Florida Department of Transportation, we are establishing a local office in the Lennar Executive Center, which is due west of the City of Miami Beach on SR-836 at 107th Avenue. We anticipate occupying the new office by the end of the year. Until that time, we have established a project specific office sharing arrangement with Burns and

McDonnell in their Coral Gables office. The simple fact is, our team members and we are committed to providing a local presence and have the knowledge and experience to execute this project in a timely and economical fashion.

To further simplify our approach to the project, and to foster a trusting working relationship with the City, all communication with the McM Team will be through a single point of contact. For Phase I, Master Plan Service/Basis of Design Report, Gerard A. Osborne, P.E., P.T.O.E. will be our Project Coordinator/Project Manager, and as such will be responsible for all coordination between the City and the McM Team. Gerard has successfully managed other planning and traffic engineering projects and has a keen grasp of the technical and human factors that must be accommodated in a successful master plan. For Phase II, Design Services, Patricia M. Barr, P.E. will be our Project Coordinator/Project Manager, and will be responsible for all coordination between the City and the McM Team. Tricia has successfully completed a number of urban corridor redevelopment projects in South Florida. She understands the problems that so often affect project schedules such as utility conflicts and aerial map inaccuracies. Given the extensive experience of these two professionals, it is our belief that their combined talents, training and experience will be well suited to managing the two primary phases of this project. With literally hundreds of other professionals in the South Florida offices of McM and our team mates, Gerard and Tricia will never lack for assistance in completing the tasks associated with this project. Mr. Osborne can be contacted at the address indicated below:

McMahon Associates, Inc.
6360 NW 5th Way, Suite 301
Fort Lauderdale, FL 33309
Phone (954) 771-0776
Fax: (954) 771-1754
E-mail: gerard.osborne@mcmtrans.com

Assisting Mr. Osborne is Diana I. Ospina. A capable Project Manager in her own right, she will provide an additional depth of experience on Phase I of this important project.

Organizational Structure

As indicated above, we have organized a highly qualified team of professionals, well in excess of 75 years of combined transportation industry experience in Florida.

The services to be provided and the organizational structure are illustrated on the Organizational Chart and resumes of key staff on the following pages.

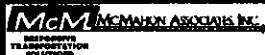


CITY OF MIAMI BEACH

Phase I – Master Plan/Basis of Design Report

Phase II – Design Services for a Proposed 16th Street

Improvements



Coordinator/Phase I Project Manager
Gerard A. Osborne, P.E., P.T.O.E.
Project Coordinator/Phase II Project Manager
Patricia M. Rasmussen



ACES
Azucena Z. Soto
Juan G. Soto



Burns & McDonnell
Mauricio A. Paredes
Ricardo Mari
Jose



Smith & Associates
Richard H. Smith, P.E.
Stephen C. Smith
Robert J.



EDSA
Joseph Lalli, FAS
Kona A. Gra



Key Staff Resumes

Professional Qualifications:

Traffic Management of Land Development, Northwestern University; Transportation Engineering, Georgia Tech; Traffic Detector Systems, University of Florida; Various Transportation/Engineering Courses, FDOT

Affiliations: American Society of Highway Engineers, Institute of Transportation Engineers

Experience Summary:

Tom Hall has professional experience serving public and private clients since 1974, in a variety of transportation engineering and planning matters. Mr. Hall's experience includes preparation of traffic impact studies, traffic signal warrant analyses, traffic signal and highway lighting construction plans, concurrency analyses, land use plan amendments and development site plans. His particular interest in traffic operations type improvements includes experience as consultant Project Manager for the Florida Department of Transportation's (FDOT) District 4 and 6 Traffic Operations Studies Contract. Mr. Hall is the Office Manager of McMahon's Fort Lauderdale office, and services as our Principal Transportation Manager for our Florida Traffic Engineering Services.

Mr. Hall has an extensive amount of experience in management of projects under the jurisdiction of the FDOT and Dade, Broward, Palm Beach, Martin, St. Lucie, Indian River and Polk Counties. Also his experience with agencies includes ongoing contact with local officials and staff. Previous experience includes traffic engineering consulting in South Florida with Miller Consulting, Inc., Hughes Hall Inc., Berry & Calvin, Inc. and Tinter Associates, Inc. and supervision of a traffic operations studies group for the FDOT.

Representative Projects

- **CityPlace, CityPlace Partners and the City of West Palm Beach, West Palm Beach, FL**
Principal-In-Charge/Project Manager: Responsible for all aspects of vehicular and pedestrian traffic movements to and through this premier "New Urbanist" mixed-use, public/private development in downtown West Palm Beach, Florida. Located on the failed "Uptown-Downtown DRI" site on both sides of Okeechobee Boulevard west of Quadrille Boulevard, this \$400,000,000 project created a new, 12 square block downtown that connects Clematis Street to the Kravis Center and the new Palm Beach County Convention Center. Everything from parking garage design to surface street widths and valet parking operations were studied and recommendations provided to the design team and contractors.
- **Port Everglades Master Plan, Broward County, Broward County, FL**
Principal-In-Charge/Project Manager: Responsible for all aspects of surface transportation operations considered within Port Everglades as a part of their Long-range Master Plan. This included cargo access and storage, cruise passenger terminal operations, parking facilities, and transit terminal connections to the surface streets.

- **Port Everglades Security Plan, Broward County, Broward County, FL**
Principal-In-Charge/Project Manager: Responsible for analyzing the impacts of proposed security gates on both external and internal roadways serving Port Everglades. Using Corsim, Synchro and Simtraffic software, a model of the Port roadways and adjacent external roadways was constructed. The number of security gates required on each access roadway serving the Port was evaluated and queue storage lengths were estimated. The analysis results were used by Port staff and the consultant team to determine the appropriate locations for the proposed security gates. In addition, the analysis of external roadway operations was used to demonstrate to surrounding communities that the effect of the Port Security Program was of minimal impact.
- **NW 5th Street Bridge PD&E Study, FDOT, Miami, FL**
Vice President/Project Manager: Served as project manager for all aspects of the traffic and transportation analyses. The project examined the NW 5th Street Bridge crossing the Miami River in downtown Miami. Because the bridge was of an antiquated design, it negatively affected boat traffic on the river, a vital business concern in the City of Miami. Using license plate surveys, pedestrian/bicyclist surveys, origin and destination studies, multi-modal vehicle classification counts and conventional traffic counts, data was collected to determine the need to replace the existing bridge with a new structure. Although the business community's opinion was to remove the bridge entirely, the study revealed the local community's reliance on the bridge to facilitate movement across the river. Based on this analysis, it was determined that a new bridge be built that improved boat flow along the Miami River but did not sacrifice local citizen's access and mobility.
- **Fort Lauderdale Beach Moratorium Study, City of Fort Lauderdale, Fort Lauderdale, FL**
Principal-In-Charge/Project Manager: Conducted a study of the Central Beach area, an approximately three-mile-long section of Fort Lauderdale, Florida. The study was commissioned by the City of Fort Lauderdale when, in response to resident concerns, all development in the Central Beach area was stopped. The primary issue considered by the study was whether SR-A1A could support the future traffic expected to be generated by new development. Because of the controversial halt to all development reviews, there was extreme interest on the part of both government and private landowners in obtaining study results in as short a time as possible. The entire study, which demonstrated that SR-A1A could accommodate the proposed additional development traffic, was completed in 90 days and, after review by City Staff, was unanimously approved by the City Commission.
- **Lauderdale Hotel/Condominium Traffic Study, Lauderdale Hotel, LLC, Fort Lauderdale, FL**
Vice President/Project Manager: Prepared a traffic impact study for a new condominium tower on Fort Lauderdale Beach. The condominium replaced an existing hotel. As a part of this study, analyzed hurricane evacuation routes and times using the South Florida Regional Planning Council's Hurricane Evacuation Model.

Professional Qualifications:

MS, Florida State University, Civil Engineering, 1995; BS, University of the West Indies, Rep. Trinidad and Tobago, Civil Engineering, 1984

Registrations: Registered Professional Engineering, Florida, Registered Professional Transportation Operation Engineering 2004

Affiliations: Associate Member, Institute of Transportation Engineers; Member, Transportation Research Board

Experience Summary:

Gerard Osborne, P.E., P.T.O.E., has been in the transportation engineering field since 1984. Mr. Osborne's professional experience includes engineering and planning support services in the areas of infrastructure planning, master planning, traffic impact studies, operational analyses, data collection, demand forecasting, traffic analysis and micro-simulation modeling.

Representative Projects

- **SR-80/Palm Beach Blvd. Access Management, City of Fort Myers, Fort Myers, FL**
Senior Project Engineer: Corridor improvements from Seaboard Street to Interstate I-75. The project includes Traffic Data Collection, Turning Movement Counts (TMC) at all intersections; FDOT Study/Reports of Planned Improvements, Traffic Signal plans for all intersections, accident history (for a three year period) and corridor right-of-way plans. All data was utilized to perform the Corridor Traffic Assessment and Access Management Planning. The project also included, an Access Management Plan and traffic signalization/intersection analysis.
- **Districtwide Traffic Operations Studies Contract, FDOT District 6, Miami, FL**
Project Manager: This was a work order based contract to provide intersection evaluations, corridor analyses, signal warrant analyses, crash analyses, signal timing and phasing optimization and other such traffic-related services to FDOT. Because the turnaround time on such studies is short, an emphasis on speed and project quality control was maintained. A variety of improvement recommendations resulted from the studies. These recommendations are now being implemented by FDOT as a part of their Work Program.
- **Broward Regional Park, City of Lauderhill, Broward County, FL**
Senior Transportation Engineer: Transportation impacts of a proposed multi-use facility, including regional park, cricket stadium, cultural center, library, hotel, and shopping center. Assessment and design of traffic access and circulation components, including special event traffic planning.

- **State Road 7 Corridor Study, City of Lauderhill, Broward County, FL**
Senior Transportation Engineer: McM performed a corridor study of the entire length of SR-7/US-441 in the City of Lauderhill. The corridor is currently a six-lane divided highway, and a 200-foot wide right-of-way. The City is coordinating with Broward County and FDOT to develop a compromised right-of-way of approximately 154 feet, and will accommodate transit along the corridor. McM studied the corridor and several key signalized intersections. The approximate cost of the corridor improvements is planned to approach \$15 million, and is scheduled for 2008.
- **Deerfield Beach CRA Master Plan Study, City of Deerfield Beach CRA, Deerfield Beach, FL**
Senior Transportation Engineer: Developed a micro-simulation model of multiple alternative alignments for State Road A1A, in order to identify characteristics of the corridor. This alignment was the basis of the CRA study.
- **SR-826 Improvement Program, Florida Department of Transportation District Six, Dade County, FL**
Transportation Engineer: This project consisted of operational analysis of alternative freeway, collector distributor and ramp roadway configurations for various segments and interchanges along SR-826. Analysis included travel demand modeling and micro-simulation modeling to determine the interaction between closely spaced interchanges with high existing and future traffic demand.
- **Miami-Dade County Public Schools, Miami-Dade County, Miami-Dade, FL**
Transportation Engineer: Performed various traffic impact studies for the Miami-Dade County Public School system. Analyzed existing conditions, including trip generation and modal-split characteristics of similar type schools. Analyzed future year scenarios for optimal combinations of student drop-off/pick-up, traffic circulation and adjacent intersection modification schemes.
- **Jupiter Falls, Developers Diversified Realty, Jupiter, FL**
Transportation Engineer: The project consisted of 102 acres, of retail/office multi-use facilities, including 750,000 square feet of development, which impacted the transportation system, in an approximate five-mile radius around the site. The project required extensive data collection, analyzing over 30 traffic signals at the location, and developing a mitigation plan to ameliorate the traffic impacts. The project also required the development of roadway improvement plans, traffic signal plans and streetscape and lighting improvements. Of major significance on this project was the public/private partnership between the developer and Palm Beach County to build a 2-mile road, known as the Western Corridor. This corridor was a project started approximately 15 years ago between Palm Beach and Martin Counties. As a planned project, and funded by Palm Beach County, the incentive of the developer to get the roadway built to service the site, provided the benefit of providing local commuter traffic relief, as the successful element of the project.

Professional Qualifications:

Master of Science in Civil Engineering (Transportation), Florida International University; Bachelor of Science in Civil Engineering, National University of Colombia.

Affiliations: American Association of Colombian Engineers (AACE), Vice-President

Experience Summary:

Diana I. Ospina's transportation engineering experience began in 1991 and includes traffic engineering studies, traffic operational analysis, traffic impact studies, capacity analysis and multifaceted transportation projects for both public and private sector clients. Diana has also managed and participated in several research studies and complex transportation planning projects for USDOT, FTA, FDOT and consulting engineering firms. She currently provides transportation planning services such as travel demand forecasting, traffic signal warrant studies, interchange and intersection operational analysis, corridor studies, signal timing and traffic impact studies for proposed developments.

Representative Projects:

- **Roadway Federal Functional Classification (FFC), FDOT District Six, Miami, FL**
Senior Project Manager: This important project analyzed the existing FFC of all public roads within Miami-Dade and Monroe Counties and proposed a reclassification of roads showing significant changes since the last official classification in 1993. The project required extensive coordination with the Cities, Miami-Dade and Monroe Counties and the community.
- **Districtwide General Traffic Data Collection, FDOT District Six, Miami, FL**
Senior Project Manager: Managed and conducted all aspects related to traffic data collection. The projects included manual and automatic traffic volume counts and classification, speed data, travel time and delay studies, saturation flow, gap size studies, accident and crash analyses, RHCs, RCIs, and HPMS. Additionally, the project required the preparation of traffic signal warrant summaries, intersection and corridor capacity analyses, and operational level of service analyses. Data collection, analysis results and findings and recommendations were documented in technical traffic reports.
- **Interventions to Promote Pedestrian Safety at Urban Intersections, FDOT District Six, Miami, FL**
Project Engineer: The study included a comprehensive data collection and observations of pedestrian, bicycle and driver behaviors, and conflict at selected intersections in Miami Beach, Florida. The goal of the project was to identify major safety issues affecting the pedestrians and bicyclists at urban intersections.

- **Broward Regional Park, City of Lauderdale, Broward County, FL**
Project Engineer: Transportation impacts of a proposed multi-use facility, including regional park, cricket stadium, cultural center, library, hotel, and shopping center. Assessment and design of traffic access and circulation components, including special event traffic planning.
- **I-395 Interim Access Improvements in Downtown Miami, FDOT District Six, Miami, FL**
Senior Traffic Engineer: The study investigated the opportunities of improving access to and from I-395 to the Omni Area as well as to the Performing Arts Center in Downtown Miami. The study aims providing an interim solution to the access deficiencies plaguing I-395 by improving the circulation of the surrounding downtown street network. This was accomplished by converting NE 1st and 2nd Avenue from one-way to two-way circulation.
- **SR 836/I-395 Widening and Reconstruction from just West of NW 17th Avenue to the MacArthur Causeway Bridge PD&E Study, FDOT District Six, Miami, FL**
Senior Traffic Engineer: Along I-395, several interchange alternatives were considered including an open-cut tunnel section at Biscayne Boulevard in Downtown Miami. The project also included potential interchange modifications at I-95 and other minor interchange locations along the SR-836 and I-395 corridors. Reports included a traffic technical memorandum including existing conditions analysis, traffic projections, proposed alternatives, and a preliminary engineering report.
- **NW 87th Avenue from NW 58th Street to just north of Okeechobee Road, FDOT District Six, Miami, FL**
Senior Traffic Engineer: Study for a three-mile segment of this primary north/south urban arterial roadway. The study required a comprehensive analysis to continue the four lanes from NW 58th Ave to NW 103rd Street in Hialeah Gardens. The project included a thorough traffic data collection and analysis, access management study and documentation, public involvement, the production of a traffic technical memorandum, preliminary and final engineering reports and master plans.

Professional Qualifications:

Bachelor of Civil Engineering, Civil Engineering, Florida Institute of Technology, 1994

Registrations: Professional Engineer, FL, 1999, Professional Engineer PA, 2001; IMSA Work Zone Safety Specialist, Certificate No. ZZ24075; FDOT Level II Certified for Traffic Safety in the work area; FDOT Certified for Traffic Control Plan Design; FDOT Trained for Long Range Estimating; FDOT Trained for use of the TRNS*PORT

Affiliations: American Society of Highway Engineers (1999-2005 Board of Directors) (2000-2002 Treasurer) (2002-2004 President); American Society of Civil Engineers; Florida Engineering Society; Chi Epsilon

Experience Summary:

Carolyn Gish has been designing public transportation improvement projects since 1994. Her experience includes participation in all phases of roadway design projects. Completed tasks include the preparation of technical proposals and Resurfacing, Restoration, and Rehabilitation reports; presentations; pavement, roadway, maintenance of traffic, and signing and pavement marking design; CADD design; roadway, signing and marking, and signalization plans preparation per Florida Department of Transportation (FDOT), County and City guidelines; preparation of computation booklets; cost estimates, specifications packages and submittal.

Throughout her career, Ms. Gish has worked closely with the FDOT District Four on six minor design contracts and on several other projects including I-95 and Dixie Highway in Palm Beach County, and SR-5 (US-1) in Martin County. Ms. Gish is well versed in the latest computer highway design programs, and has proven her ability to produce complete contract documents for highway design contracts advertised by FDOT, Indian River County, Palm Beach County, Broward county and many municipalities throughout Florida. Her project management and design experience will enable McMahon Associates to effectively meet all requirements from all perspectives including design, scheduling, and product quality.

Representative Projects:

- **SR-810/Hillsboro Blvd., City of Deerfield Beach, Deerfield Beach, FL**
Senior Project Manager: As part of a Local Area Plan (LAP)/Joint Permit Application (JPA) project between the City of Deerfield Beach and FDOT, the City proposed to improve the Hillsboro Boulevard corridor, from Federal Highway to the Intracoastal Waterway crossing. The project will require the development of an urban design, with on-street parking, sidewalks, bus bays, improved landscaping and highway lighting. The project was also coordinated with Broward County to have a modified trafficways right-of-way to facilitate the proposed project development. This project is an FDOT District Four permit project.

- **SR-80/Palm Beach Boulevard Access Management, City of Fort Myers, Fort Myers, FL**
Senior Project Manager: Corridor improvements from Seaboard Street to Interstate I-75. The project includes Traffic Data Collection, Turning Movement Counts (TMC) at all intersections; FDOT Study/Reports of Planned Improvements, Traffic Signal plans for all intersections, accident history (for a three (3) year period) and corridor right-of-way plans. All data was utilized to perform the Corridor Traffic Assessment and Access Management Planning. The project also included, an Access Management Plan and traffic signalization/intersection analysis.
- **SR-824/Pembroke Road, FDOT District Four, Broward County, FL**
Senior Project Manager: Corridor improvements from University Drive to SW 62nd Avenue. The project includes minor reconstruction, milling and resurfacing, and signalization upgrades to conform to RRR criteria. The project also dictates the need for a Resurfacing, Restoration and Rehabilitation Report, Community Awareness Plan, and an Access Management Plan. Public involvement is key in this project due to the high volume of residences adjacent to the corridor.
- **SR-5/US-1, FDOT District Four, Indian River County, FL**
Senior Project Manager: Corridor improvements along 7.5 miles of SR-5 running through the City of Vero Beach and unincorporated Indian River County. The project includes developing the Resurfacing, Restoration, and Rehabilitation Report, Community Awareness Plan, and Access Management Plan. Design work includes minor reconstruction, drainage improvements, milling and resurfacing, signalization upgrades, utility and lighting relocation, and landscaping.
- **SR-858/Hallandale Beach Boulevard, FDOT District Four, Broward County, FL**
Senior Project Manager: Corridor improvements from US-1 to Three Islands Boulevard. The project includes developing the Resurfacing, Restoration, and Rehabilitation Report, Community Awareness Plan, and Access Management Plan. Design work includes minor reconstruction, milling and resurfacing, signalization upgrades, landscaping, and utility relocation and lighting design. The intersection at US-1 and SR-858 required significant adjustments to the alignment along SR-858 in order to improve existing deficiencies.
- **SR-814/Atlantic Boulevard, FDOT District Four, Broward County, FL**
Senior Project Manager: Corridor improvements from Dixie Highway to NE 3rd Avenue. The project includes minor reconstruction, milling and resurfacing, and signalization upgrades at three intersections. Included with the project are several roadway alternatives, as well as coordination with the City of Pompano Beach and public involvement.
- **Montgomeryville Lowes Roadway Improvements, Lowes Development Corporation, Montgomery Township, Montgomery County, PA**
Project Manager: Designed and prepared plans for roadway and drainage improvements for Cowpath Road (SR-0463) and Bethlehem Pike (SR-0309) for revisions to a high volume entrance and corresponding roadway improvements. Prepared drainage report including drainage calculations for PennDOT approval. Coordinate with PennDOT for the approval of the plans and Traffic Report.

Professional Qualifications

Bachelor of Science in Engineering,
Civil/Environmental Engineering Duke
University, 1990

Registrations: Professional Engineer, Florida,
2000, PE-56925, FDOT Certified in Advanced
Work Zone Traffic Control, FDOT trained in
Long Range Estimating, FDOT trained for
TRNS*PORT, FDOT trained in Specification
Package Preparation

Experience Summary

Patricia Barr has been designing public transportation improvement projects and site improvements since 1991. Her experience ranges from roadway widening/improvement projects for the cities of Miami, South Beach, and Deerfield Beach, as well as various site developments throughout South Florida. Ms. Barr's experience also includes upgrades for power plant facilities including buildings, parking lots, roadways, and site drainage. She is currently managing projects involving roadway geometric design, traffic signal design, and intersection operational studies/design associated with roadway improvement plans for DOT, County and City governments. In the capacity of Project Manager, she is responsible for design, coordination, development of mast arm designs and construction plans, as well as post-design services associated with those projects.

Representative Projects

- **SW 120th Street and SW 123rd Passage Signalization, Miami Dade County, Miami, FL**
Project Manager: Design of a new traffic signal along Miami-Dade's SW 120th Street corridor. Project elements included mast arm design, signal timing, video detection, permit coordination, shop drawing review and post design services were provided during construction.
- **SR-858/Hallandale Beach Boulevard, FDOT District Four, Hallandale Beach, FL**
Project Manager: Corridor improvements from US-1 to Three Islands Boulevard. The project includes developing the Resurfacing, Restoration, and Rehabilitation Report, Community Awareness Plan, and conceptual designs for the initial plan of work. Later work includes minor reconstruction, milling, and resurfacing, signalization upgrades, and utility and lighting relocation. The intersection at US-1 and SR-858 requires significant adjustments to the alignment along SR-858 in order to improve existing deficiencies.
- **SR-814/Atlantic Boulevard, FDOT District Four, Broward County, FL**
Project Manager: Corridor improvements from Dixie Highway to NE 3rd Avenue. The project includes minor reconstruction, median modifications, milling and resurfacing, and signalization upgrades at three intersections. Included with the project are several roadway alternatives. Public involvement is also an essential part of this project.
- **SR-5/US-1, FDOT District Four, Indian River County, FL**
Project Manager: Corridor improvements along 7.5 miles of SR-5 running through the City of Vero Beach and unincorporated Indian River County. The project includes developing the Resurfacing, Restoration, and Rehabilitation Report, Community Awareness Plan, and Access Management Plan. Design work includes minor reconstruction, drainage improvements, milling and resurfacing, signalization upgrades, and utility and lighting relocation.

- **SR-824/Pembroke Road, FDOT District Four, Broward County, FL**
Project Manager: Corridor improvements from University Drive to SW 62nd Avenue. The project includes minor reconstruction, milling and resurfacing, and signalization upgrades to conform to RRR criteria. The project also dictates the need for a Resurfacing, Restoration and Rehabilitation Report, Community Awareness Plan, and an Access Management Plan. Public involvement is key in this project due to the high volume of residences adjacent to the corridor.
- **Indiantown Road/Western Corridor Traffic Signal, Schickedanz Capital Group, Jupiter, FL**
Project Manager: Prepared traffic signal permit plans for the new traffic signal to be installed at Indiantown Road and Western Corridor in the Town of Jupiter. The intersection is just east of I-95, as part of a project joint agreement between Palm Beach and Martin Counties. The Western Corridor is a corridor that had been in the planning stages for over 15 years. The partnership with the developer and the counties to build this four-lane arterial was precipitated by increased demand in the area to provide improved access to I-95 from the northern part of Palm Beach County.
- **Floresta Drive Corridor, City of Port St. Lucie, Port St. Lucie, FL**
Project Manager: McM performed a corridor study of Floresta Drive, an existing two-lane undivided corridor, which is a major north-south arterial, centrally located within the City of Port St. Lucie's boundary. The City is considering the widening of Floresta Drive from the existing two-lane undivided to four-lane divided between Port St. Lucie Boulevard and Prima Vista Boulevard. The project length is approximately 2.5 miles. The project corridor study considered several alternatives, as the planned future extension of West Virginia Avenue, would severely affect the corridor, by accessing the barrier island from the east.
- **Oakland Park Boulevard/Inverrary Boulevard West, City of Lauderhill, Broward County, FL**
Project Engineer: Analyzed the existing and future travel demand at the intersection to evaluate the affects of left-turn/right-turn lane additions, offset intersection improvements and traffic signal modifications. A traffic operational/safety analysis was performed and a double left-turn lane, southbound on Inverrary Boulevard West, was included with geometric improvements and signalization upgrades at the intersection. Coordination was required with Broward County Traffic Engineering and FDOT to facilitate the improvements.
- **SR-60 at 27th Avenue Improvements (Indian River County), FDOT District Four, Vero Beach, FL**
Project Engineer: Intersection improvements including milling and resurfacing, widening, minor reconstruction, restriping, signalization upgrades, median modifications, and ADA upgrades. This project included extensive public involvement and coordination with adjacent projects. McM was awarded post Design Services for the intersection construction as well as the construction of more than half a mile of 27th Avenue that was constructed simultaneously.
- **Coral Manor Neighborhood Traffic Calming Plan, Deerfield Beach, FL**
Project Manager: Developed conceptual plans for a multi-phased traffic calming project. The project began with public involvement, field observations, condition surveys and development of conceptual traffic calming plans and associated costs.

SECTION 2 – PROJECT MANAGER EXPERIENCE

Due to the difference in nature between Phase I and Phase II of this project, there will be two separate project managers responsible for each of the two phases of this project. The two project managers will work closely together from the initial planning phase through construction. The Phase I Project Manager will be Gerard A. Osborne, P.E., P.T.O.E. The Phase II Project Manager will be Patricia M. Barr, P.E. Both Mr. Osborne and Ms. Barr have greater than 10 years of experience and have served as project manager on at least three similar projects. Below is a comprehensive summary of both Mr. Osborne's experience and qualifications and Ms. Barr's experience and qualifications.

Gerard A. Osborne, P.E., P.T.O.E. – Gerard Osborne's experience spans all facets of transportation engineering and developmental planning, and he is highly qualified to serve as Project Manager for Phase I of this project. Mr. Osborne has 20 years experience in traffic engineering and master planning, having worked extensively in South Florida, the Caribbean, and the Pacific in both public and private capacities. He has a profound understanding of the unique transportation characteristics and needs of coastal and barrier-island communities, having most recently worked on master planning and traffic calming projects for the cities of Deerfield Beach and Fort Myers. His professional experience includes engineering and planning project management in the areas of infrastructure planning, master planning, traffic impact studies, operational analyses, data collection, demand forecasting, traffic analysis and micro-simulation modeling. Mr. Osborne is an 11-year resident of Miami-Dade County, and is currently a Project Manager on the FDOT District VI Districtwide Traffic Operations and Safety Program. He is thus intimately familiar with local traffic operations and safety issues, and would bring this invaluable knowledge and experience to this project.

Patricia M. Barr, P.E. – Since graduating from Duke University, Ms. Barr has been involved in all aspects of transportation and roadway improvement projects, from conception to design and, ultimately, construction services. Her experience ranges from large-scale site improvement projects for Florida Power and Light to roadway design for such entities as the Florida Department of Transportation, South Beach, Miami-Dade and Deerfield Beach. Although her entire career has been spent in South Florida, Ms. Barr has been able to adapt quickly to varying job requirements and has successfully participated in projects spanning from Philadelphia to Boston. Recently, she has managed several major projects for FDOT, including two roadway rehabilitation projects along Hallandale Beach Boulevard in the City of Hallandale Beach, a safety project on Atlantic Boulevard in Pompano Beach, and over seven miles of roadway improvements to US-1 in Indian River County. Aspects of these projects included conceptual design and report preparation, roadway geometrics, signing and marking, maintenance of traffic, signalization, lighting, and drainage. In addition, her earlier experience in intersection operational studies has allowed Ms. Barr to understand and implement the FDOT's vision so that the ultimate customer, drivers, benefit from the safest, most effective utilization of the public right-of-way. As a project manager, Ms. Barr has been responsible for project budgets and schedules, as well as overseeing the work of large teams and coordinating all critical decisions as a primary point of contact to the clients. She has proven she can do so efficiently and economically.

SECTION 3 – SIMILAR PROJECTS

McM has been providing professional transportation engineering services in South Florida for over 28 years. Our experience has ranged from the development of traffic impact studies, corridor planning, and access management, to conceptual engineering alternative evaluations and roadway design projects. Design projects required supplemental specialty services such as right-of-way/easement acquisition, street lighting, landscaping enhancement and traffic signalization improvements. Knowledge in today's opportunities to capture special funds from government entities, McM has also participated on projects by drafting and securing grants for local governmental bodies.

In the following pages, we have assembled a group of projects which demonstrate the experience of our engineers and technicians on projects that best match the requirements of the request for professional consulting services, as advertised by the City of Miami Beach. These projects represent a balance of our traffic engineering and design experience which will be invaluable to the City, as specific projects move from the planning and preliminary engineering stage into preparation of construction documents. This expertise, coupled with our team's depth, will provide the comprehensive know-how to assist the City in implementation of their plans/programs.

Similar Projects

1. **Project Name:** Hillsboro Boulevard Streetscape
- Client:** City of Deerfield Beach
- Address:** 150 NE Second Avenue
- City, State, Zip:** Deerfield Beach, FL 33441-3598
- Contact:** Larry R. Deetjen, City Manager
- Telephone/Fax No.:** (954) 480-4263/ (954) 480-4268
- Consultant Fee/Construction Fee:** \$87,000/\$700,000
- E-mail:** ldeetjen@deerfield-beach.com
- Start/Completion:** 2000/2004
- McM Staff Assigned to Project:**
 - Carolyn Gish, P.E., Project Manager
 - Patricia M. Barr, P.E., Senior Project Engineer, Signal Design
 - Etienne Bourgeois, P.E., Project Engineer
 - Ali Asghar, Project Engineer

Scope of Work:

As part of a Local Area Plan (LAP)/Joint Permit Application (JPA) project between the City of Deerfield Beach and FDOT, the City proposed to improve the Hillsboro Boulevard corridor, from Federal Highway to the Intracoastal Waterway crossing. The project will require the development of an urban design, with on-street parking, sidewalks, bus bays, improved landscaping and



highway lighting. The project was also coordinated with Broward County to have a modified trafficways right-of-way to facilitate the proposed project development. This project is an FDOT District Four permit project.

Our services include traffic analysis, access management elevations, project traffic forecasting, traffic control plans preparation, traffic signal design and plans preparation, signing and pavement marking plans preparation, lighting design, and public involvement. The limits begin at Federal Highway, US-1/SR-5, and extend east, approximately 0.67 miles, to the approach of the Intracoastal Bridge. The construction Phase of this project, when complete, will include a Final Traffic Report, Phase I Plan Submittal, Phase II Plan Submittal, and Final As-Built Plans.

- 2. Project Name:** Deerfield Beach CRA Beach Area Study
Client: City of Deerfield Beach
Address: 150 NE Second Avenue
City, State, Zip: Deerfield Beach, FL 33441
Contact: Carlos P. Baia, Economic Dev. Manager
Telephone/Fax No.: (954) 480-4222/(954) 480-4499
Consultant Fee/Construction Fee: \$165,000/\$11M
E-mail: cbaia@deerfield-beach.com
Start/Completion: 2003/2004
McM Staff Assigned to Project:
 Gerard A. Osborne, P.E., P.T.O.E., Senior Project Engineer
 Ali Asghar, Project Engineer
 Natalia McGuckian, E.I., Project Engineer

Scope of Work:

McMahon Associates, Inc. as the Prime consultant is responsible for overall project management, coordination with the City, public/community involvement, traffic analysis, and development of a master transportation plan for improving efficient and effective vehicular traffic circulation. In addition, we will address the access and safety of pedestrian and bicycle circulation to the beach area. This project includes a two-step process of neighborhood/public involvement for education and review of impacts on potential traffic alternative measures early on in the project, and then reaction and feedback on specific traffic plan improvements upon development.



- 3. Project Name:** SR-80 Access Management Interstate 75 to Fowler Street
Client: City of Fort Myers
Address: 2200 Second Street
City, State, Zip: Fort Myers, FL 33902-2217
Contact: Saeed Kazemi P.E., City Engineer
Telephone/Fax No.: (239) 332-6830/(239) 332-6604
Consultant Fee/Construction Fee: \$90,000/\$2.5M

E-mail: skazemi@cityftmyers.com
Start/Completion: 2003/2004

McM Staff Assigned to Project:

Gerard A. Osborne, P.E., P.T.O.E., Senior Project Engineer
 Diana I. Ospina, Senior Project Engineer
 Ali Asghar, Project Engineer
 Natalia McGuckian, E.I., Project Engineer
 John Jay Maliff, AICP, Senior Project Planner

Scope of Work:

The City of Fort Myers, requested that the current project, Streetscape/Access Management for SR-80/Palm Beach Boulevard, be modified to include an evaluation of the traffic impact from local development impacts on the local roadway network. This project is also related to the plans for elimination of the one-way roadway around the City in the vicinity of the project. The outcome will be a plan that includes the development of a professional roadway cross-section and a capital improvement plan.



4. Project Name: Broward Regional Park
Client: City of Lauderdale
Address: 2000 City Hall Drive
City, State, Zip: Lauderdale, FL 33313
Contact: Earl R. Hahn, AICP, Planning & Zoning Director
Telephone/Fax No.: (954) 730-3054/(954) 730-2991
Consultant Fee/Construction Fee: \$600,000/\$30M
E-mail: ehahn@lauderdale-fl.gov
Start/Completion: 2003/2005

McM Staff Assigned to Project:

Gerard A. Osborne, P.E., P.T.O.E., Senior Project Engineer
 Diana I. Ospina, Project Engineer
 Ali Asghar, Project Engineer
 Natalia McGuckian, E.I., Project Engineer

Scope of Work:

McMahon Associates, Inc. is coordinating jointly with Broward County Parks and providing services for the evaluation of the traffic impacts associated with the proposed, approximate 110-acre, Central County Regional Park, which is planned to open by 2006. The traffic impacts will be measured based on traffic operational conditions, safety issues and geometric enhancement needs within the surrounding roadway network by the projected opening year. McMahon Associates, Inc. provided Data Collection, Project Traffic Forecasting, Preliminary Traffic Projections, Trip Generation Analysis, Trip Distribution and Assignment, Traffic Analysis/FDOT Access Management, FDOT VAC Permits for SR-7/Sunrise Boulevard Project Coordination and Deliverables.